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- (74) Agents: BEDGOOD, Robert, M. et al.; Pillsbury Winthrop LLP, 50 Fremont Street, San Francisco, CA 94120 (US).
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- (71) Applicant (for all designated States except US): GEMINI SCIENCE, INC. [US/US]; Suite 940, 4275 Executive Square, La Jolla, CA 92037 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MIKAYAMA, Toshifumi [JP/US]; 3165 Lower Ridge Road, San Diego, CA 92130 (US). TAKAHASHI, Nobuaki [JP/JP]; 5A-304, Ishihara-cho 3703, Takasaki-shi, Gunma 370-0864 (JP). CHEN, Xingjie [CN/US]; 4740 Conrad Avenue, #117, San Diego, CA 92117 (US). SCHOENBERGER, Stephen, P. [US/US]; 259 Coneflower Street, Encinitas, CA 92024 (US).
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(54) Title: HUMAN ANTI-CD40 ANTIBODIES AND METHODS OF MAKING AND USING SAME

(57) Abstract: The invention is directed to human antibodies that bind CD40 (e.g., human CD40), methods of producing the antibodies and methods of use. Invention human CD40 antibodies include antibodies that can modulate one or more activities of CD40, such as increasing or decreasing cell proliferation. Invention human CD40 antibodies are therefore useful for increasing or decreasing a CD40 activity in order to alter CD40 activity *in vivo*.

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A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C12N15/13	C07K16/28	C12N5/20	C12N5/10	A61K39/395
	A61P35/00	A61P37/06	A61P31/00	G01N33/68	G01N33/577

B. FIELDS SEARCHED

IPC 7 C07K

BIOSIS, EMBASE, WPI Data, PAJ, EPO-Internal, SEQUENCE SEARCH

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 801 227 A (FANSLOW, III ET AL.) 1 September 1998 (1998-09-01) examples claim 3 ---	1,2,9, 10,12, 14,23, 24,30, 31,35, 44,45,47
X	WO 00 00156 A (TRUSTEES OF DARTMOUTH COLLEGE) 6 January 2000 (2000-01-06) claims 18,26,27 ---	1-61
X	WO 96 33735 A (CELL GENESYS INC.) 31 October 1996 (1996-10-31) claims 20,27 example 5 ---	1-61

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☒ Patent family members are listed in annex.

'8' document member of the same patent family

04/02/2002

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INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 34096 A (CELL GENESYS INC.) 31 October 1996 (1996-10-31) claims 18,25 example 6 ---	1-61
A	A. LAGERKVIST ET AL.: "Single, antigen-specific B cells used to generate Fab fragments using CD40-mediated amplification or direct PCR cloning." BIOTECHNIQUES, vol. 18, no. 5, May 1995 (1995-05), pages 862-869, XP000572659 Natick, USA the whole document ---	24-28
A	EP 0 945 465 A (CHIRON CORPORATION) 29 September 1999 (1999-09-29) examples claims ---	1-61
P,X	P. KARLSSON ET AL.: "Selection of human single chain antibodies against CD40." IMMUNOLOGY LETTERS, vol. 73, no. 2-3, September 2000 (2000-09), page 161 XP002185388 Amsterdam, The Netherlands abstract 358 -----	1,2,6, 9-12,14, 15, 18-20, 30-32, 34,35, 37, 43-45, 48-50, 52-56

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-9, 23-31, 39-42, 58-61 (all partially), 10 ,
13-17, 35-38, 44-49 (all completely)

Isolated human anti-CD40 antibody or fragment thereof that specifically binds CD40 and decreases a CD40 activity.
Methods for the production of said antibody. Therapeutic and diagnostic uses of said antibody.

2. Claims: 1-9, 23-31, 39-42, 58-61 (all partially), 11,
18-22, 32-34, 43, 50-57 (all completely)

Isolated human anti-CD40 antibody or fragment thereof that specifically binds CD40 and increases a CD40 activity.
Methods for the production of said antibody. Therapeutic and diagnostic uses of said antibody.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 30-42 (all partially, as far as an in vivo method is concerned) and claims 43-57 (all completely) are directed to a method of treatment of the human/animal body, and although claims 58 and 61 (both partially, as far as an vivo method is concerned) and claim 60 (completely) are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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